

This listing of claims will replace all prior versions, and listings, of claims in the application:

II. Listing of Claims:

1. (Currently Amended) A method for sealing casing in a borehole a subterranean zone comprising:

preparing a sealing composition comprising a latex sealant selected from the group consisting of styrene butadiene copolymer latex, styrene butadiene acrylonitrile copolymer latex, vinyl acetate homopolymer latex, vinyl acetate acrylate copolymer latex, carboxylated styrene-butadiene copolymer latex, carboxylated acrylic copolymer latex and nitrile latex;

placing the sealing composition between the casing and the borehole into the subterranean zone;

placing a heating tool in the casing; and

operating the heating tool to heat heating the sealing composition at the location of the heating tool to accelerate the setting of the sealing composition.

2. (Currently Amended) The method of claim 1 wherein the sealing composition further comprises at least one sealant selected from the group consisting of cement, latex, and epoxy resin.

3. (Currently Amended) The method of claim 2 wherein the sealing composition further comprises is a cement slurry comprising cement and water.

4. (Original) The method of claim 3 wherein the cement is selected from the group consisting of pozzolan cement, gypsum cement, aluminous cement, silica cement, and alkaline cement.

5. (Original) The method of claim 4 wherein the cement is class G cement.

6. (Original) The method of claim 3 wherein the water is present in a range of 25-98 mass percent of the cement slurry.

7. (Cancelled)

8. (Currently Amended) The method of claim 3 wherein the cement slurry further comprises resins and latexes epoxy resin.

9. (Currently Amended) A The method of claim 2 wherein the for sealing casing in a borehole comprising:

preparing a sealing composition is comprising an epoxy liquid comprising resin, associated hardener and inert filler material;

placing the sealing composition between the casing and the borehole;

placing a heating tool in the casing; and

operating the heating tool to heat the sealing composition at the location of the heating tool to accelerate the setting of the sealing composition.

10. (Original) The method of claim 9 wherein the resin is a condensation product of epichlorohydrin and bisphenol A.

11. (Original) The method of claim 3 wherein the sealing composition further comprises an epoxy liquid comprising resin, associated hardener and inert filler material.

12. (Original) The method of claim 11 wherein the resin is a condensation product of epichlorohydrin and bisphenol A.

13-22. (Cancelled)

23. (NEW) The method of claim 9 wherein the sealing composition further comprises at least one of cement and latex.

24. (NEW) The method of claim 23 wherein the sealing composition further comprises a cement slurry comprising cement and water.
25. (NEW) The method of claim 24 wherein the cement is selected from the group consisting of pozzolan cement, gypsum cement, aluminous cement, silica cement, and alkaline cement.
26. (NEW) The method of claim 25 wherein the cement is class G cement.
27. (NEW) The method of claim 24 wherein the water is present in a range of 25-98 mass percent of the cement slurry.
28. (NEW) The method of claim 24 wherein the cement slurry further comprises latex.